



AERO AL

The Almenta "Aero AL" is manufactured in two shapes; high-capacity and standard capacity, as well as two types of construction methods, 1-ply and 2-ply. 2-ply aerostats are manufactured to mil-spec standards. 250kt parachute Nylon material is used for the shell, 2.5 mil or 4 mil Polyurethane is used for the bladder with hydrolysis inhibitors and UV inhibitors added. Operate up to 36 hours continuously (15 minute Helium replenishment cycle). Highly mobile aerial platform (open sky; drag the aerostat behind a vehicle or ship). Reliable with high-availability for mission deployment. Deployed from ships, ATVs, pickup trucks, police cruisers, emergency command vehicles, man-portable teams.



Key Benefits of an Aero AL

- Low Total Cost of Ownership (TCO)
- Long-duration mission profile; 24 hours until 30 minute maintenance cycle
- Operating altitudes from 60 to 1000 meters (AGL)
- Launch altitude up to 4,500 meters above mean sea level (MSL)
- Operating winds up to 50mph / 24 meters per second

Missions

- Crowd and event monitoring
- Perimeter security
- Pre-interdiction reconnaissance; drug raids, high-risk warrants, gang control, hostage situations
- Border protection
- Any mission that requires a medium altitude perspective with a semi-covert, quiet, aerial platform
- Significant extension of voice and data communications; civil, military, emergency management

Advantages

- Minimal technical capabilities required to operate
- Small training footprint
- Operational flexibility for many mission types
- Quick deployment for unscheduled events
- Easy to setup, launch and recover • Part-time crewing on an as-needed basis

ALMENTA

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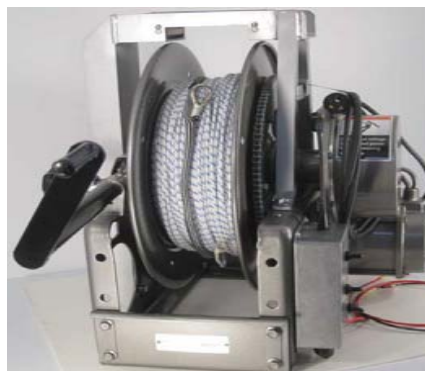
Portable Tactical Launcher System

- Main winch capable of 450 pounds of torque at 120 fpm line speed
- Powered tether option with (2) conductors at 22 gauge
- Mount to cart, trailer hitch, or secure to ground
- 12Vdc operable. From vehicle electrical system or battery
- Manual crank backup
- Disc brake system with pin-lock
- Soft-start and variable speed
- Slip ring for powered tether
- Optional wireless remote controller (800 meter range)



Gyro-Stabilized Camera for Night Time Operations

- Stabilized miniature payload for surveillance and reconnaissance
- Gyro stabilized image independent of platform maneuvers and vibrations.
- Three (3) Gimbal System.
- Very light weight and low power consumption.
- High performance image resolution and quality.
- Variety of day and night sensors.
- Continuous Optical Zoom.



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